

## Abstract

The present invention relates to a device applied to scaling factor of horizontal scan of a scanner and a method thereof. The present invention lets signals be processed by a multiplexer, a shifter, and an adder to achieve the  
5 above function, or lets signals be processed by a plurality of shifters and a plurality of adders to achieve the above function. Because a divider or a ROM occupying a too large area in the prior art is not required, the present invention can effectively reduce the occupied area, increase the scanning speed, and enhance the image quality of a scanner.